

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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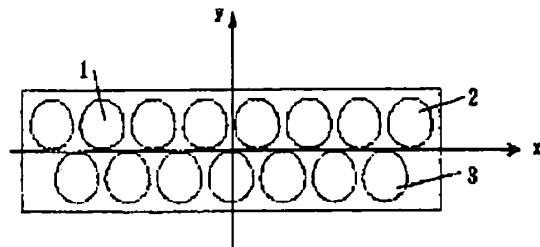
APPLICATION DATE : 25-01-93  
APPLICATION NUMBER : 05010123

APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : TANAKA TSUNEO;

INT.CL. : H04R 1/40 H04R 3/12

TITLE : DIRECTIONAL SPEAKER DEVICE



ABSTRACT : PURPOSE: To provide a directional speaker device for not generating strong side lobes even in a frequency band whose wavelength is shorter than the interval of speaker units.

CONSTITUTION: This device is provided with a speaker array 2 in which 8 speaker units 1 are arranged in a line with a fixed interval and the speaker array 3 composed of 7 speaker units 1 arranged parallelly at the positions next to the speaker array 2 so as to be shifted from the positions of the speaker units 1 with the direction of the speaker array 2 as a reference. Thus, the frequency band is widened to the side of a high frequency band.

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